

CAMBER TRUSS

0.004 FT/FT FOR

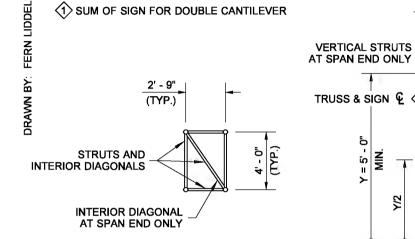
SINGLE CANTILEVER

1' - 6" MAX.

VERTICAL STRUTS

TRUSS & SIGN € 2

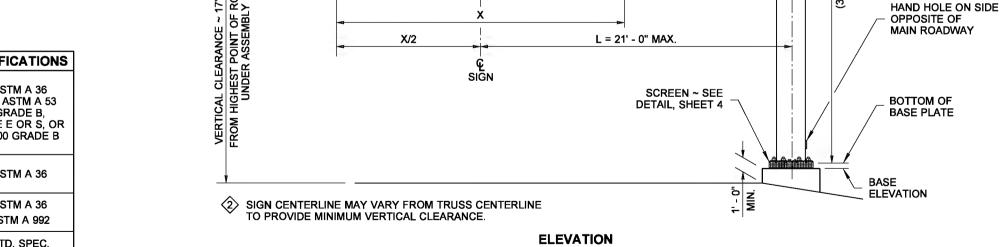
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END

ALL TRUSS DIAGONALS AND STRUTS SHALL BE 1 1/2" (IN) PIPE (0.145" (IN) WALL)

MATERIAL SPECIFICATIONS ASTM A 36 OR ASTM A 53 GRADE B, (CHORDS, DIAGONALS STRUTS AND TYPE E OR S, OR A 500 GRADE B POSTS) **PLATES** ASTM A 36 ASTM A 36 SHAPES **ASTM A 992** STD. SPEC. **BOLTS, NUTS** 9-06.5(3) & WASHERS PIPE, PLATE & SHAPE AASHTO M 111 **GALVANIZING FASTENER** AASHTO M 232 GALVANIZING



VERTICAL "FAR" TRUSS DIAGONAL (TYP.)

VERTICAL "NEAR"

TRUSS DIAGONAL (TYP.)

VERTICAL

∓|5

1" MAX. AT TOP OF POST

€ CHORD

ON SIDE OPPOSITE

1 1/4" (IN) CAPPED NIPPLE ~

APPROACHING TRAFFIC

SINGLE CANTILEVER SIGN STRUCTURE

BOTTOM OF LUMINAIRE BRACKET ~ WHEN SIGN

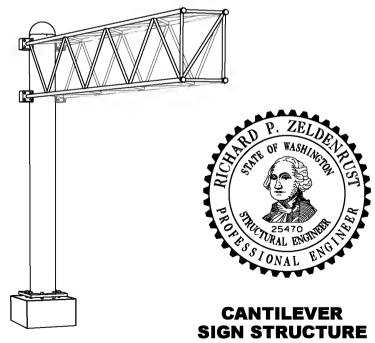
LIGHTING IS SHOWN IN THE CONTRACT

SIGN AREA (X TIMES Y) CHORD SIZE NOM. (FT²) WALL DIAM. 50 OR LESS 0.154" 2" 50+ TO 100 2" 0.218" 100+ TO 150 0.203" 2 1/2" 150+ TO 200 3" 0.216"

CHORD SELECTION

NOTES

- 1. Vertical and horizontal clearance requirements shall be as shown on the Contract Plans.
- 2. No post splices permitted in lower third of height, nor closer than 3' - 0" to bottom chord, except as otherwise noted. No chord shop splices permitted in first two-thirds of the span, except as otherwise noted. A maximum of two splices are permitted in the post. For post or chord shop splice details, see Standard Plan G-70.10.
- 3. The back-up plates or rings for all full penetration welds shall be welded continuously to the joined pieces. This can be done by either a continuous fillet weld on the back side of the piece, or by a continuous weld in the root of the full penetration weld.
- 4. All bolt holes shall be drilled, and the diameter shall be 1/16" (in) larger than the nominal bolt diameter, except as noted.
- 5. The design and analysis of the structures has been done in accordance with AASHTO Standard Specification for Structural Supports for Highway Signs, Luminaires and Traffic Signals Dated 2001. using 90 MPH wind velocity and fatigue category - I.
- 6. Adjust post alignment in plane normal to roadway centerline by means of leveling nuts located below base plate to maintain upward slope in cantilever arm(s). Tighten anchor nuts above base plate in accordance with Standard Specification 6-03.3(33).
- 7. Variable Message Signs (VMS) exceeding 700 lbs. and/or 200 sq. ft. shall not be installed on cantilever structure.
- 8. For electrical requirements, see Standard Plan J-75.45.



PERSPECTIVE

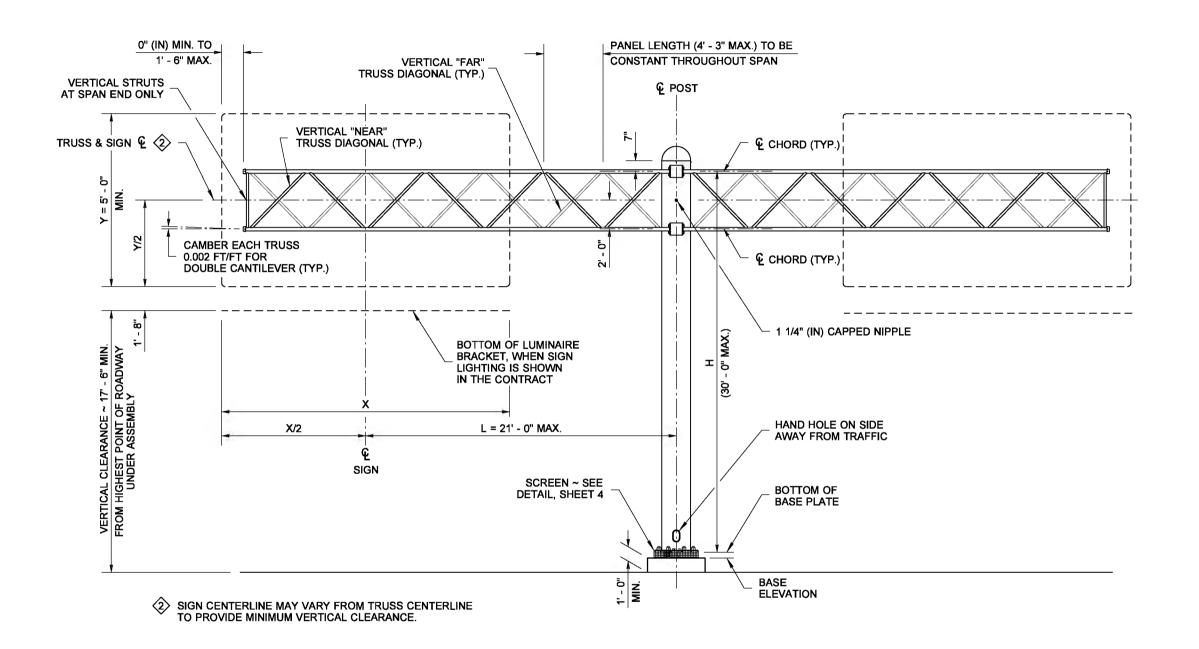
(TRUSS TYPE) STANDARD PLAN G-60.10-03

SHEET 1 OF 4 SHEETS

APPROVED FOR PUBLICATION

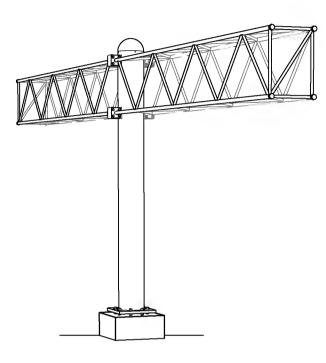


Washington State Department of Transportation

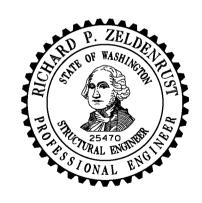


ELEVATION

DOUBLE CANTILEVER SIGN STRUCTURE



PERSPECTIVE



CANTILEVER SIGN STRUCTURE (TRUSS TYPE) STANDARD PLAN G-60.10-03

SHEET 2 OF 4 SHEETS

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